

# **B**AYLEY-SPRINGFIELD CONTINUOUS WINDOWS & OPERATING DEVICES



THE WILLIAM BAYLEY CO  
SPRINGFIELD, OHIO  
Sales offices in following cities  
New York, 67 West 44th St  
Chicago, 310 S. Michigan Ave  
Boston, 73 Tremont Street  
Atlanta, 1263 Peachtree St N. E.  
Springfield, O. 126 W. North St



Exterior view of fixed and hinged Continuous Windows, the interior of which is given below, showing the uniformity of daylighting and absence of shadows. Mechanical ventilation is used thruout this building.





**BAYLEY-SPRING-FIELD CONTINUOUS WINDOWS & CONTINUOUS WINDOW OPERATORS FOR ROOFS & SIDEWALLS ARE CONSTRUCTED OF SPECIALLY DESIGNED SOLID ROLLED STEEL SECTIONS WELDED together for strength & permanency.** The sill member is of a new design having no pockets for water or ice in either the open or closed position, at any useful angle. It has an integral flange for operator attachment & a flat-surface contact with the structural steel & its shape is such that a condensation gutter of effective size & form may be used where advisable. Hinges, at four feet centers, placed inside of steel framing for protection, are of heavy steel with three-eighths inch brass pins & have slotted holes for adjustment to steel work. Vertical bars are spaced at two feet centers. Putty-bed on all members is in the same plane which facilitates glazing, requires less putty & reduces glass breakage. Where panels are joined the splice is placed at the center of glass space, & fully develops the strength of horizontal members. Vertical weathering, where hinged portions meet fixed panels, is of formed galvanized steel. Hinged windows have fixed panels one foot wide at extreme ends of lines & two feet wide at intermediate ends. All steel is given one dip coat of standard red oxide paint.

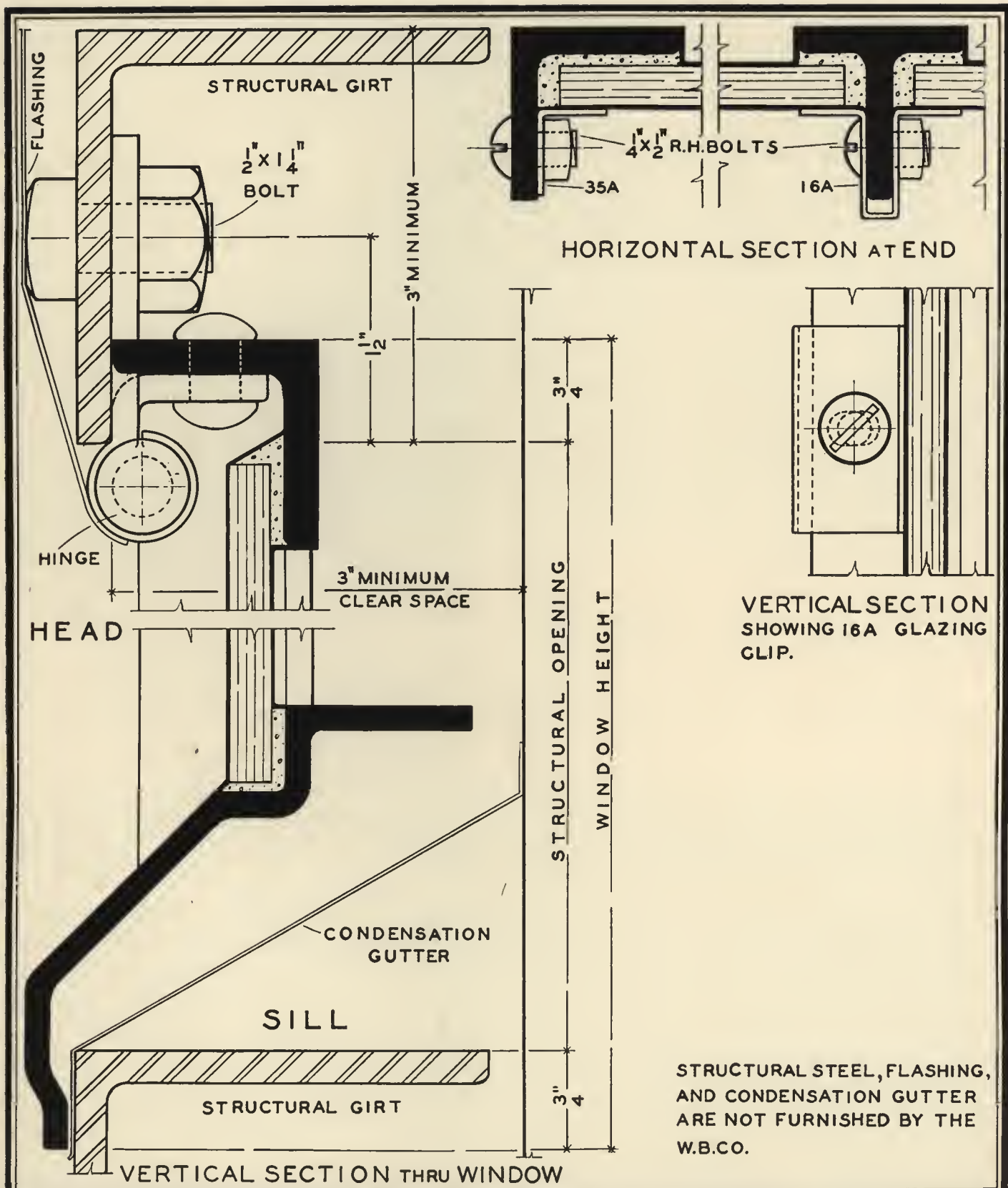
Overall length of windows should be held to full feet in order to use stock & insure quick shipment. Variations from full feet to be taken up with flashing by others.

Storm Panels are not included but are furnished at extra cost when specially ordered & fit inside the three inch clearance space with provision to drain water outside. Glass in storm panels is of same size as glass in main part of line.

Wire glass one quarter inch thick is recommended & must be twenty-three & one-half inches wide, except in end panels, set in an even bed of putty struck flush with outside surface of glass & held by galvanized metal clips and bolts. Face putty may be used at extra cost.

Continuous Window Operators are of the Tension type or Rack & Pinion type. They may be either manually or electrically controlled. Lengths of lines are determined by conditions of the installation. In general, Tension type is used for long lines & Rack & Pinion type used for short lines. This product is of sturdy construction & good quality. Parts are designed to eliminate friction & include such features as machine-cut racks, pinions, worms & gears; bronze or ball bearings, where necessary; & provision for working parts to run in oil.

Items not furnished by The William Bayley Co. are structural steel, all flashing and condensation gutters, glass, putty, erection, pointing, field painting & glazing, unless specifically mentioned in the contract.

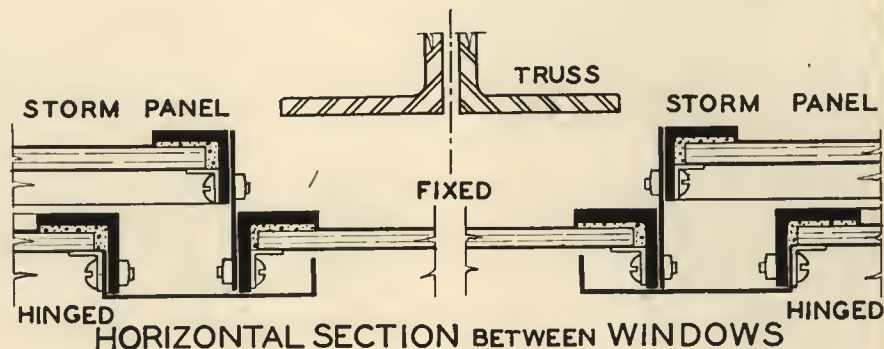
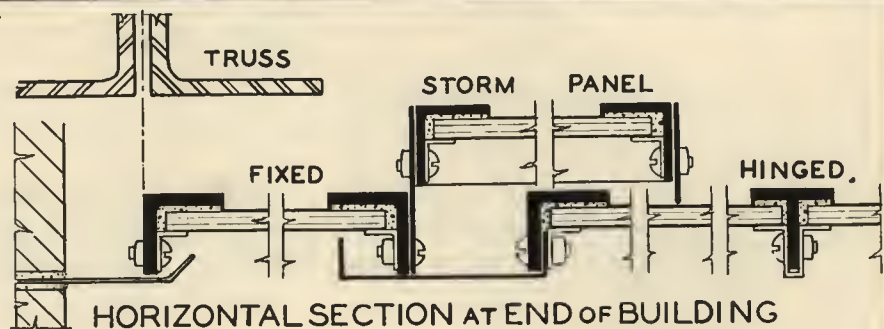


DAYLEY  
SPRINGFIELD  
DAY LIT.

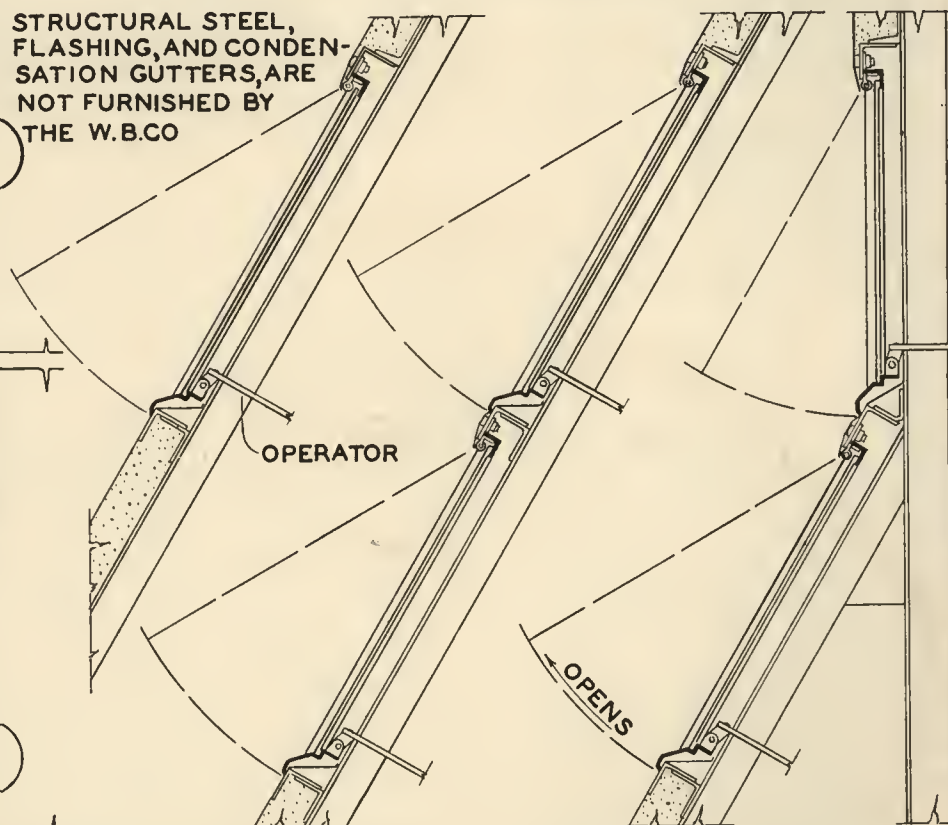
FULL SIZE SECTIONS  
**CONTINUOUS WINDOWS**  
THE WILLIAM BAYLEY CO. SPRINGFIELD OHIO.

PLATE NO.  
**181**  
SCALE F.S.





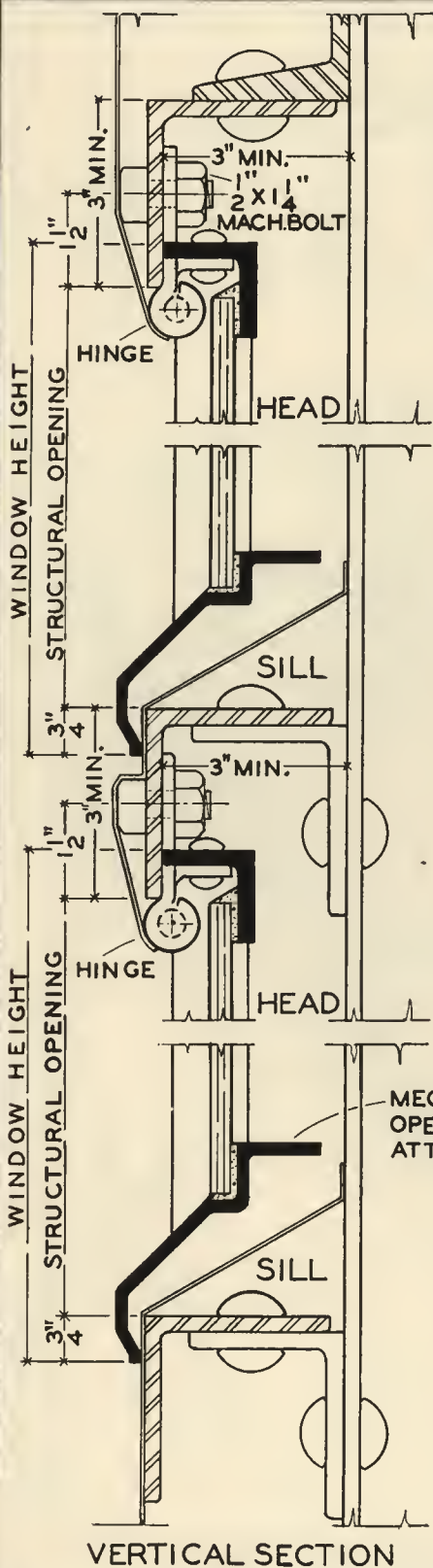
**STRUCTURAL STEEL,  
FLASHING, AND CONDEN-  
SATION GUTTERS, ARE  
NOT FURNISHED BY  
THE W.B.CO**



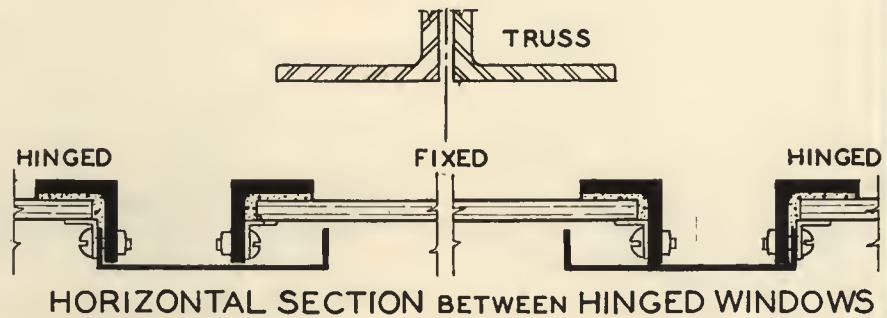
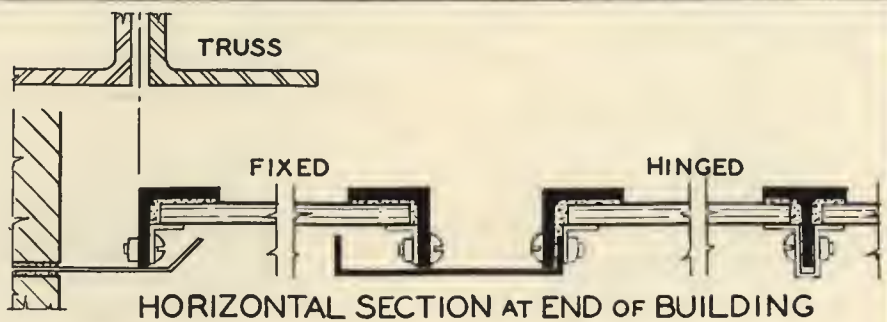
RAYLEY  
SPRINGFIELD  
VAILL.

TOP HINGED & FIXED STORM PANEL INCLUDED  
**CONTINUOUS WINDOWS**  
THE WILLIAM BAYLEY CO. SPRINGFIELD OHIO.

PLATE NO.  
182  
SCALE 4"=1'-0"



VERTICAL SECTION



STRUCTURAL STEEL, FLASHING, AND CONDENSATION GUTTER ARE NOT FURNISHED BY THE W.B.CO.

WINDOWS MAY BE INCLINED AS SHOWN ON PLATE 182.

D I M E N S I O N S		
WINDOW HEIGHTS	STRUCTURAL OPENING	GLASS HEIGHTS
3'-0"	2'-10 $\frac{1}{2}$ "	32 $\frac{1}{2}$ "
4'-0"	3'-10 $\frac{1}{2}$ "	44 $\frac{1}{2}$ "
5'-0"	4'-10 $\frac{1}{2}$ "	56 $\frac{1}{2}$ "
6'-0"	5'-10 $\frac{1}{2}$ "	68 $\frac{1}{2}$ "

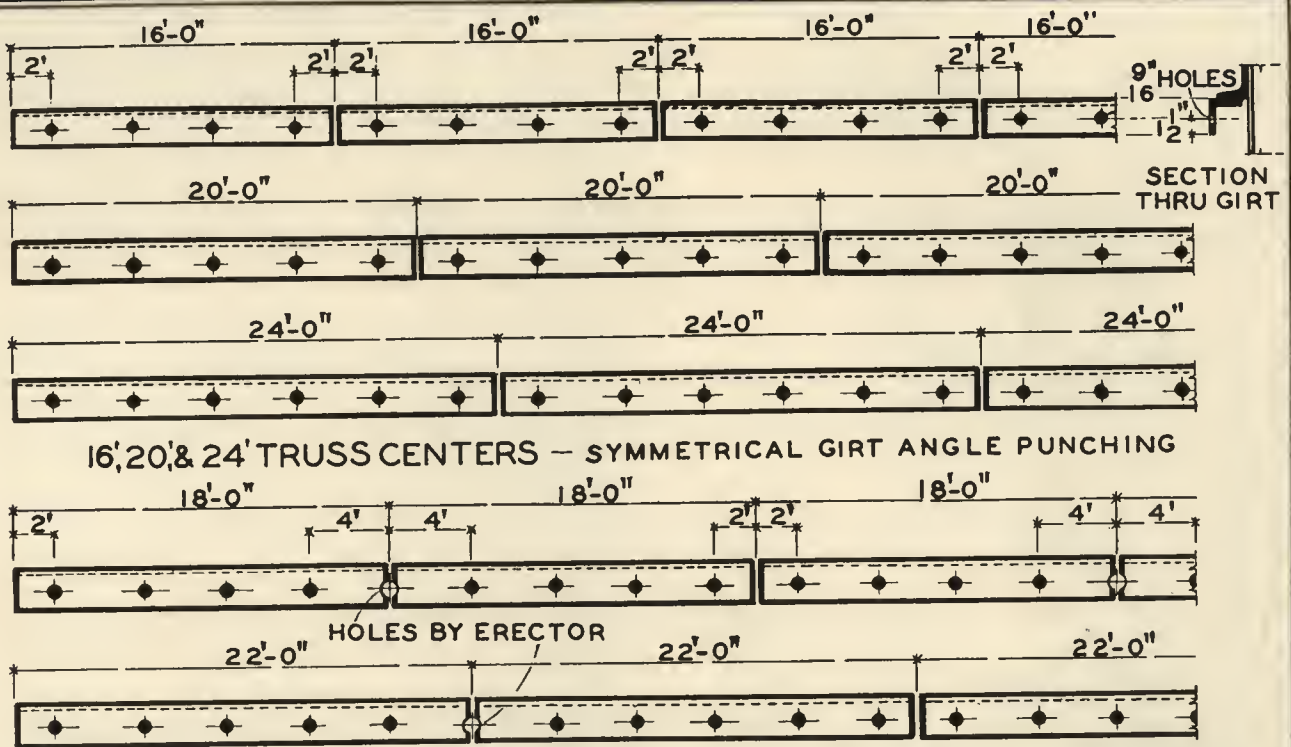
GLASS WIDTHS  
 CONTINUOUS AND STORM.....23 $\frac{1}{2}$ "  
 FIXED AT END OF BUILDING.....9 $\frac{1}{4}$ "  
 FIXED BETWEEN HINGED WINDOWS...19 $\frac{1}{4}$ "

DAYLEY  
 SPRINGFIELD  
 DAYLEY

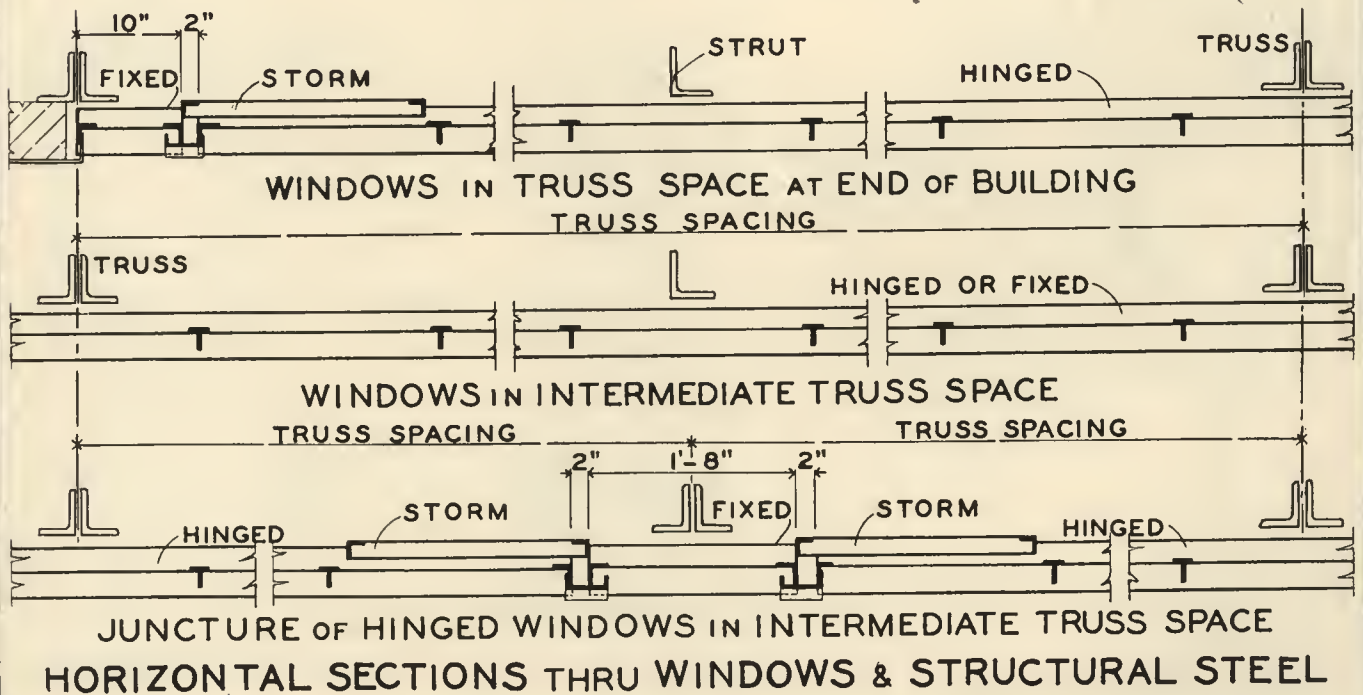
TOP HINGED STORM PANEL OMITTED  
**CONTINUOUS WINDOWS**  
 THE WILLIAM BAYLEY CO. SPRINGFIELD OHIO.

PLATE NO.  
**183**  
 SCALE 4"=1'-0"





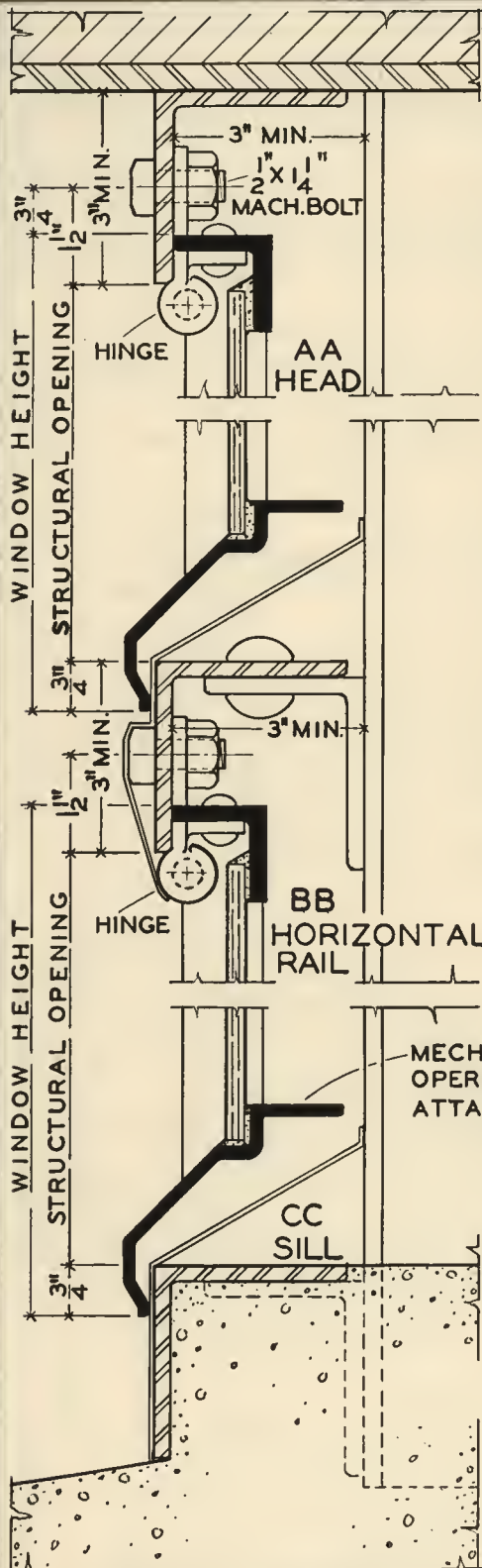
## GIRT ANGLE PUNCHINGS FOR HINGES



DAYLEY  
SPRINGFIELD  
MASS.

GIRT ANGLES & HORIZONTAL SECTIONS  
**CONTINUOUS WINDOWS**  
THE WILLIAM BAYLEY CO. SPRINGFIELD OHIO

PLATE NO.  
**184**  
SCALE - NONE



VERTICAL SECTION

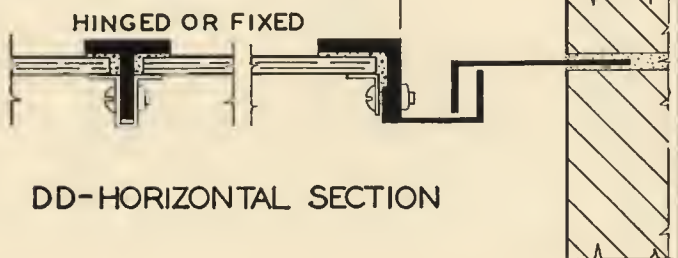


VERTICAL SECTION  
TYPICAL EXTERIOR ELEVATION

STRUCTURAL STEEL, FLASHING, AND CONDENSATION GUTTER ARE NOT FURNISHED BY THE W.B.CO.

D I M E N S I O N S			
WINDOW HEIGHTS	STRUCTURAL OPENING	GLASS HEIGHTS	GLASS WIDTHS
3'-0"	2'-10 1/2"	32 1/2"	23 1/2"
4'-0"	3'-10 1/2"	44 1/2"	23 1/2"
5'-0"	4'-10 1/2"	56 1/2"	23 1/2"
6'-0"	5'-10 1/2"	68 1/2"	23 1/2"

MASONRY OPENING WIDTH  
WINDOW WIDTH VARIES



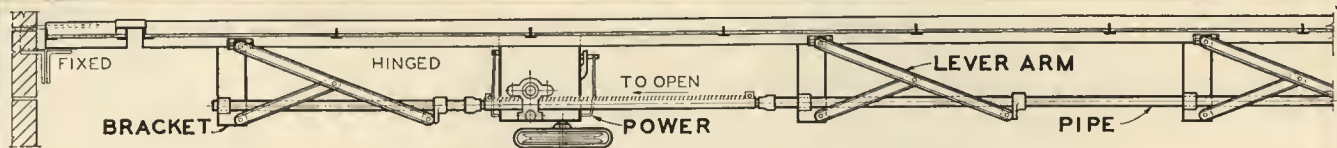
DD-HORIZONTAL SECTION

DAYLEY  
SPRINGFIELD  
MAILL

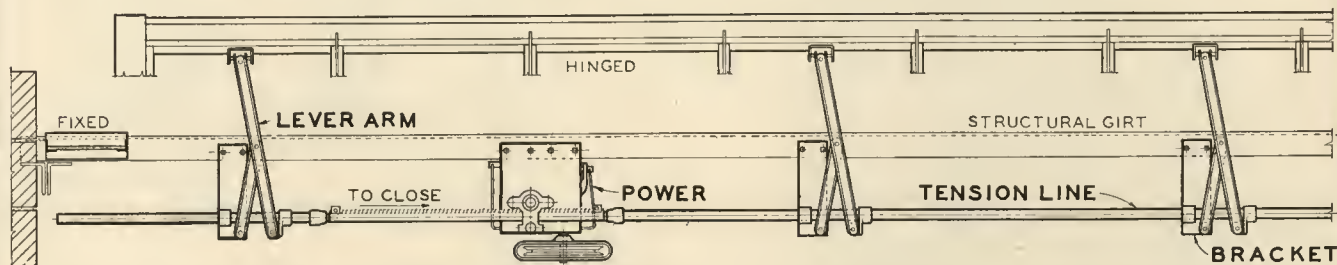
TOP HINGED & FIXED SIDEWALL  
**CONTINUOUS WINDOWS**  
THE WILLIAM BAYLEY CO. SPRINGFIELD OHIO.

PLATE NO.  
**185**  
SCALE 4"=1'-0"

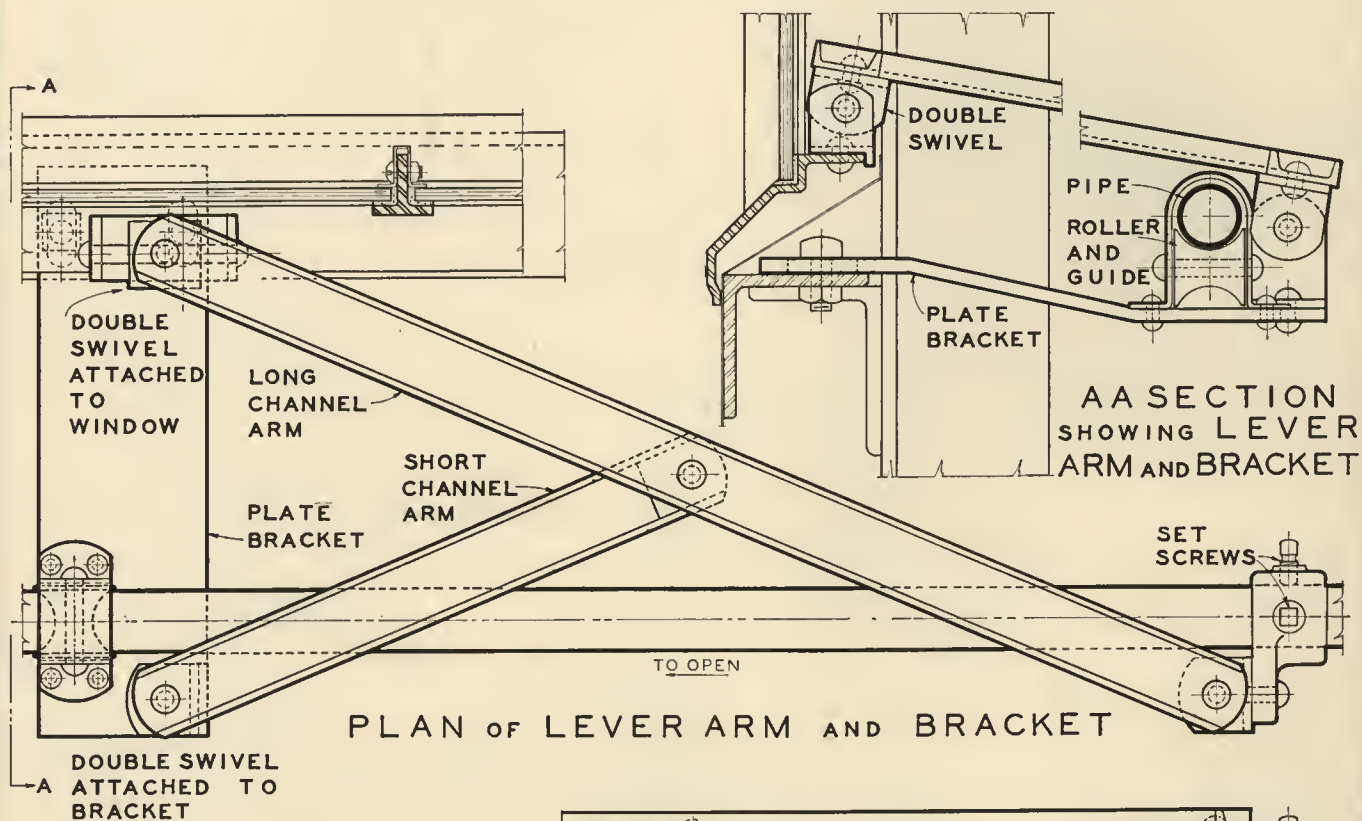




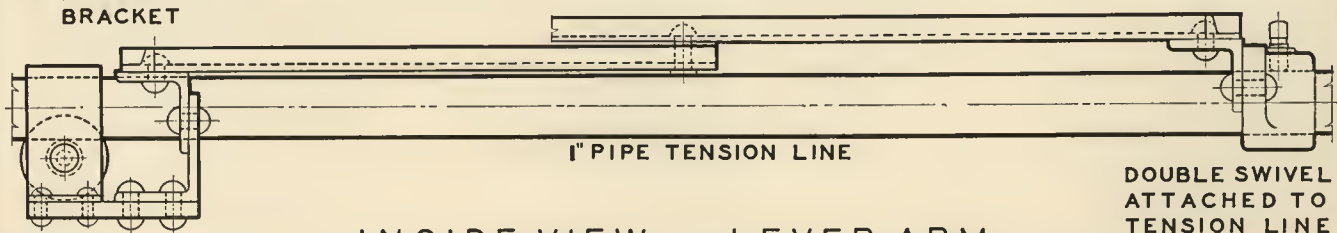
PLAN IN CLOSED POSITION



PLAN IN OPEN POSITION



PLAN of LEVER ARM AND BRACKET

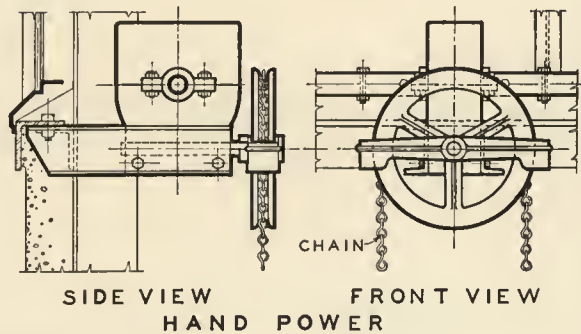
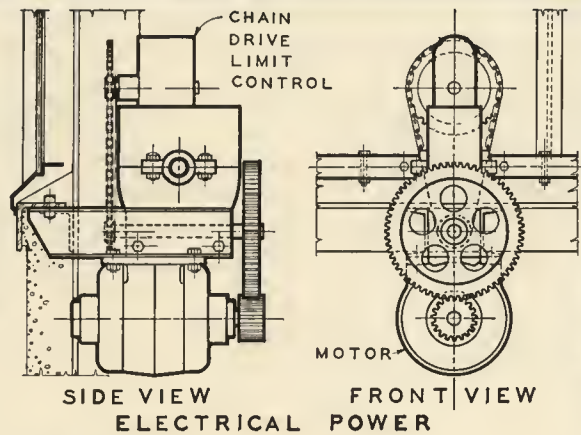
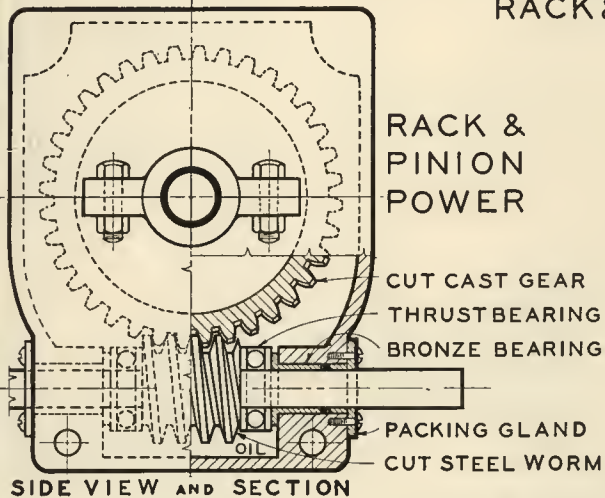
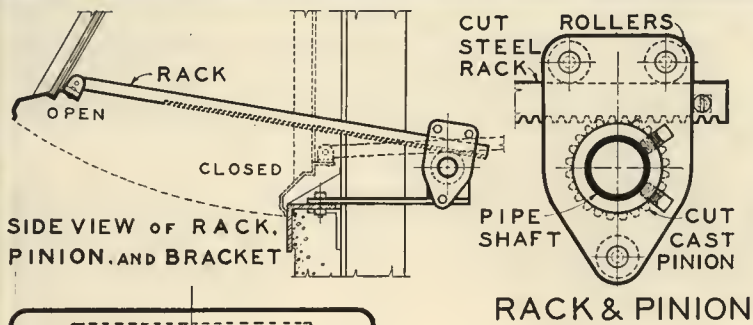


INSIDE VIEW of LEVER ARM

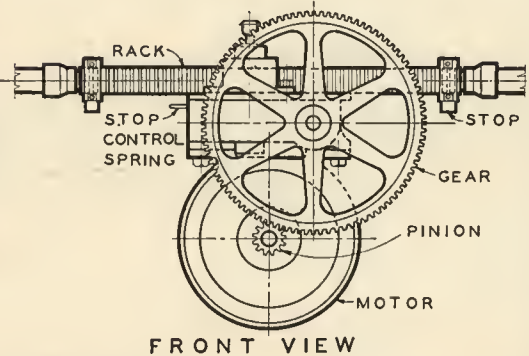
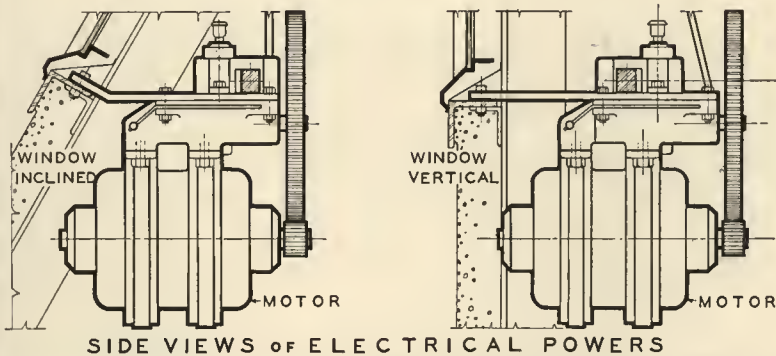
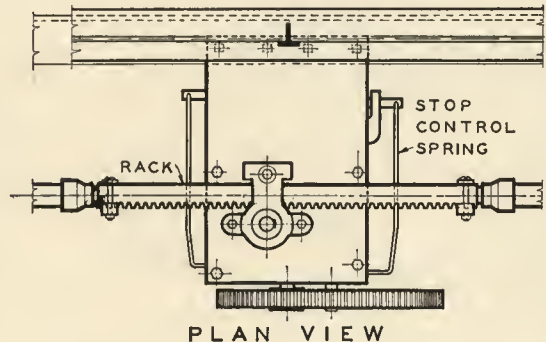
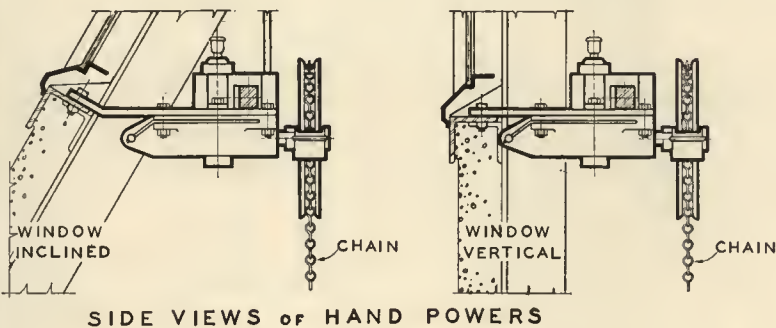
BAYLEY  
SPRINGFIELD  
MASS.

TENSION LINE & LEVER ARM  
**CONTINUOUS WINDOW OPERATOR**  
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO.

PLATE NO.  
186  
SCALE  $\frac{1}{2}$ " = 1'-0"



## RACK & PINION OPERATORS



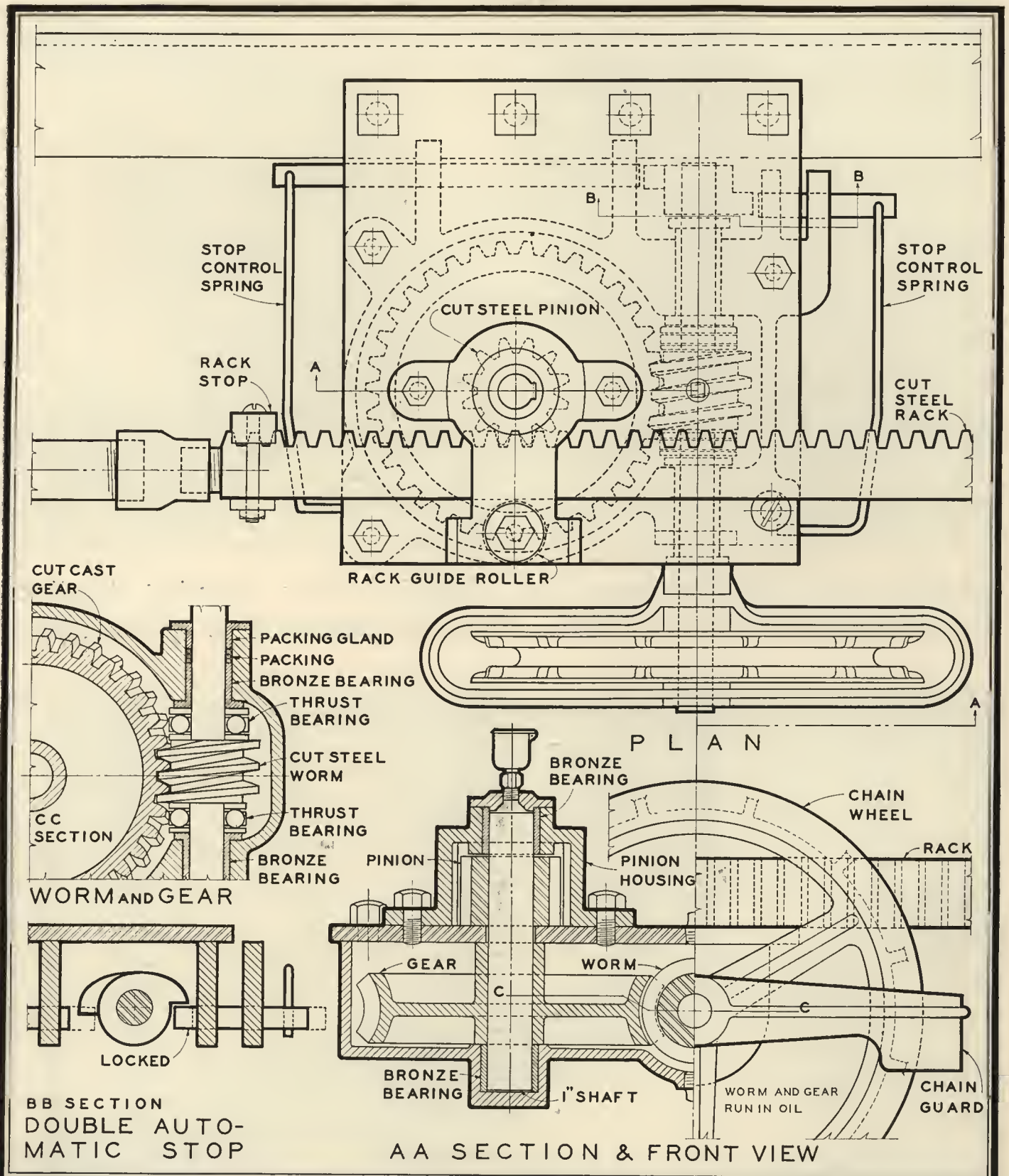
## TENSION OPERATORS

DAYLEY  
SPRINGFIELD  
MAILL

HAND CONTROL & ELECTRICAL CONTROL  
**CONTINUOUS WINDOW OPERATORS**  
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO.

PLATE NO.  
187  
SCALE 1"=3"=1'-0"





DAYLEY  
SPRINGFIELD  
MAINE

TENSION POWER FOR  
**CONTINUOUS WINDOW OPERATOR**  
THE WILLIAM BAYLEY CO. SPRINGFIELD, OHIO.

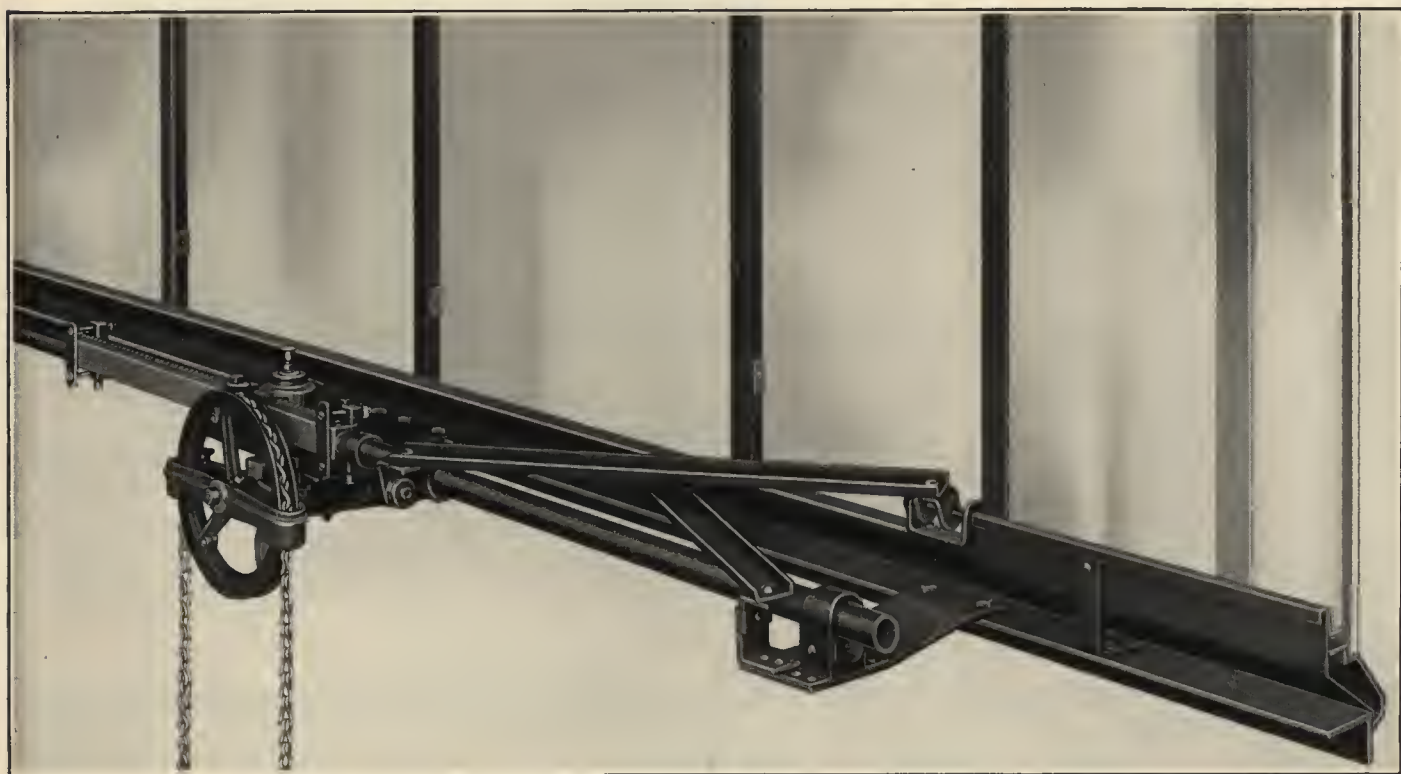
PLATE NO.  
188  
SCALE 4"=1'-0"



Interior view showing detail of  
Tension Operator in open position.



Exterior view showing detail of  
Tension Operator in open position.

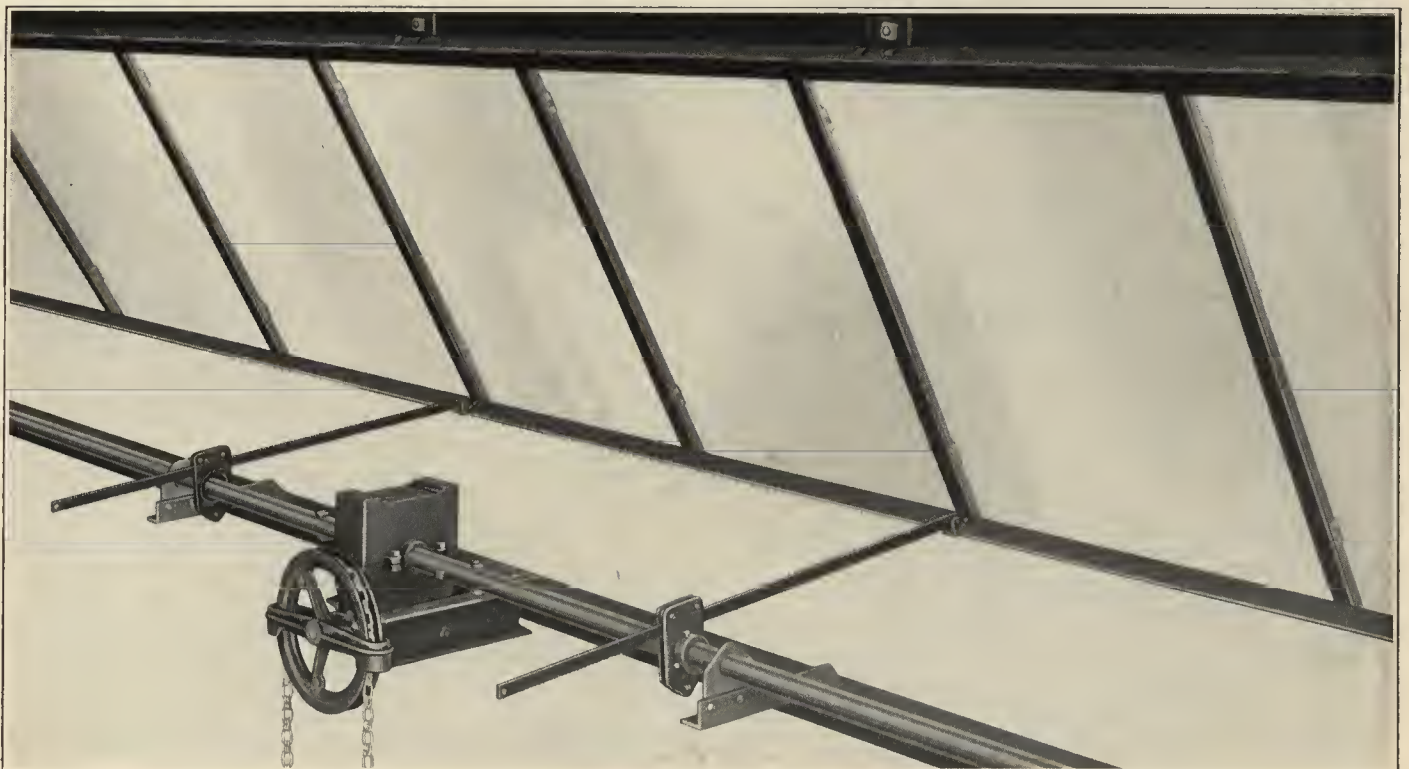


Interior view of Tension Operator showing closed position.





Power House installation of Continuous Windows with Rack and Pinion operator Electrically Controlled.



Interior view Rack and Pinion Operator open position.



Forging Building showing roof construction with Continuous Windows and Operators arranged to give adequate ventilation.



View showing light distribution. Interior view showing operators.





Continuous Windows used in "A" frame construction lower section fixed, upper section hinged, provides abundant light and ventilation.



Interior of above showing Rack & Pinion operators.

# BAYLEY-SPRINGFIELD CONTINUOUS WINDOWS & OPERATING DEVICES

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*The photographs in this book show various applications of Continuous Windows:*

*Pages 2 & 15—Hall Printing Co., Chicago; Weiss & Neistadt, Engineers, Chicago; J. W. Snyder Construction Co., Chicago.*

*Page 13—Millers Ford Power House, Dayton Power & Light Co., Thos. E. Murray, Inc.,*

*Engineers, New York City; U. S. Structural Co., Contractors, Dayton, Ohio.*

*Page 14—Columbus Bolt Works, Columbus, Ohio; Lockwood, Green & Co., Engineers; E. H. Latham Co., Contractors, Columbus, Ohio.*

*Front Cover—Shibaura Engineering Works, Tsurumi, Japan; The H. K. Ferguson Co., Engineers and Builders, Cleveland, Ohio.*